

PATENT ABSTRACTS OF JAPAN

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(54) BIOCIDAL COMPOSITION

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a biocidal composition exhibiting antimicrobial activity at low concentration by dispersing an antimicrobial agent containing a sparingly soluble silver compound deposited on a synthetic oxide support such as titania into a surfactant such as DOSS.

SOLUTION: This biocidal composition contains a sparingly soluble silver compound deposited on a synthetic oxide (e.g. titania) support (e.g. silver chloride in an amount of 1-75 wt.% based on the support) and the effective component is dispersed in an amount of 5-1,000 ppm, especially 10-50 ppm based on total weight of the composition. The composition exhibits excellent activity as a biocidal component and/or a preservative component even in a considerably low concentration and among various kinds of materials. The composition is used as leave-on or rinse-off cosmetic. The composition may be a water-base polymer or a plastic or a polymer composition or further, a concentrated biocidal composition composed of 1-15 wt.% biocidal component, 1-5 wt.% DOSS solution and balance of water.